



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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SKB 5-07

AGRICULTURAL NEWS: Temperatures were only 1 degree below normal this week with more moderate temperatures in west Kentucky. Precipitation was well below normal with only .06 inches received, 0.92 inches below normal. Most of the precipitation in the State was received over central Kentucky. **Topsoil moisture** was rated as 1 percent very short, 6 percent short, 76 percent adequate, and 17 percent surplus. **Subsoil moisture** was rated 11 percent short, 75 percent adequate, and 14 percent surplus. There were 4.4 days suitable for fieldwork. The main farming activities for the week were assessing damage to wheat and corn fields, planting corn, and mowing down the alfalfa due to the freeze damage.

TOBACCO: Sixty-five percent of the tobacco seedlings are less than 2 inches tall, 23 percent are 2 to 4 inches tall, and 12 percent are over 4 inches. Ninety-five percent of the tobacco is in float beds and the remainder is in conventional beds.

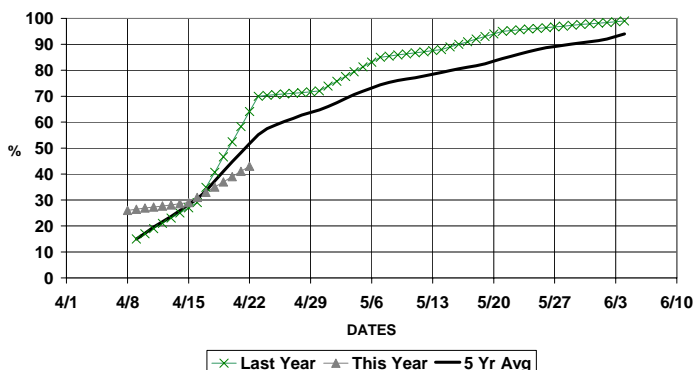
ROW CROPS: Corn planting continues to progress behind last year and the five year average. As of Sunday, April 22, 43 percent of the corn was planted compared to 64 percent for last year and 52 percent for the five year average. Twelve percent of the crop had emerged, also behind last year and the

average. The condition of the corn crop was rated 20 percent very poor, 19 percent poor, 43 percent fair, and 18 percent good. Some farmers are considering replanting corn due to the freezing temperatures earlier in the month. Farmers have just begun to plant soybeans with 1 percent planted as of Sunday. This is behind both last year and the five year average.

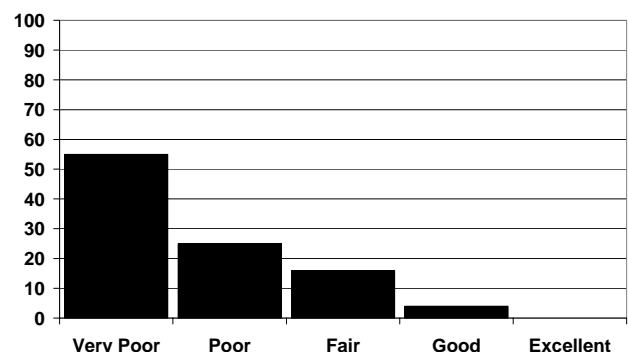
SMALL GRAINS: Ten percent of the winter wheat crop had headed, well behind last year's 23 percent, but ahead of the five year average of 8 percent. Eighty percent of the winter wheat crop condition was rated poor or very poor. Reports indicate worse damage from the freeze than thought last week. Farmers are considering replacing the damaged wheat by planting early season soybeans.

OTHER CROPS AND PASTURE: Strawberries also suffered from the untimely freeze and were rated 26 percent very poor, 40 percent poor, 23 percent fair, 8 percent good, and 3 percent excellent. Farmers expect the first date of alfalfa cutting to be around May 10, although quality and quantity will be poor due to the freeze. Pasture condition was rated 5 percent very poor, 16 percent poor, 39 percent fair, 34 percent good, and 6 percent excellent.

CORN PLANTING PROGRESS



WINTER WHEAT CONDITION



KENTUCKY CROP PROGRESS

WEEK ENDING APRIL 22, 2007

| Crop Stage | This Week | Previous Year | 5-Yr. Avg. | Previous Week KY | U.S. |
|-------------------|-----------|---------------|------------|------------------|------|
| Percentage | | | | | |
| Corn | | | | | |
| Planted | 43 | 64 | 52 | 29 | 4 |
| Emerged | 12 | 30 | 23 | NA | NA |
| Wheat | | | | | |
| Headed or Heading | 10 | 23 | 8 | NA | 10 |
| Soybeans Planted | 1 | 4 | 2 | NA | NA |

(NA)Data Not Available.

SOIL MOISTURE

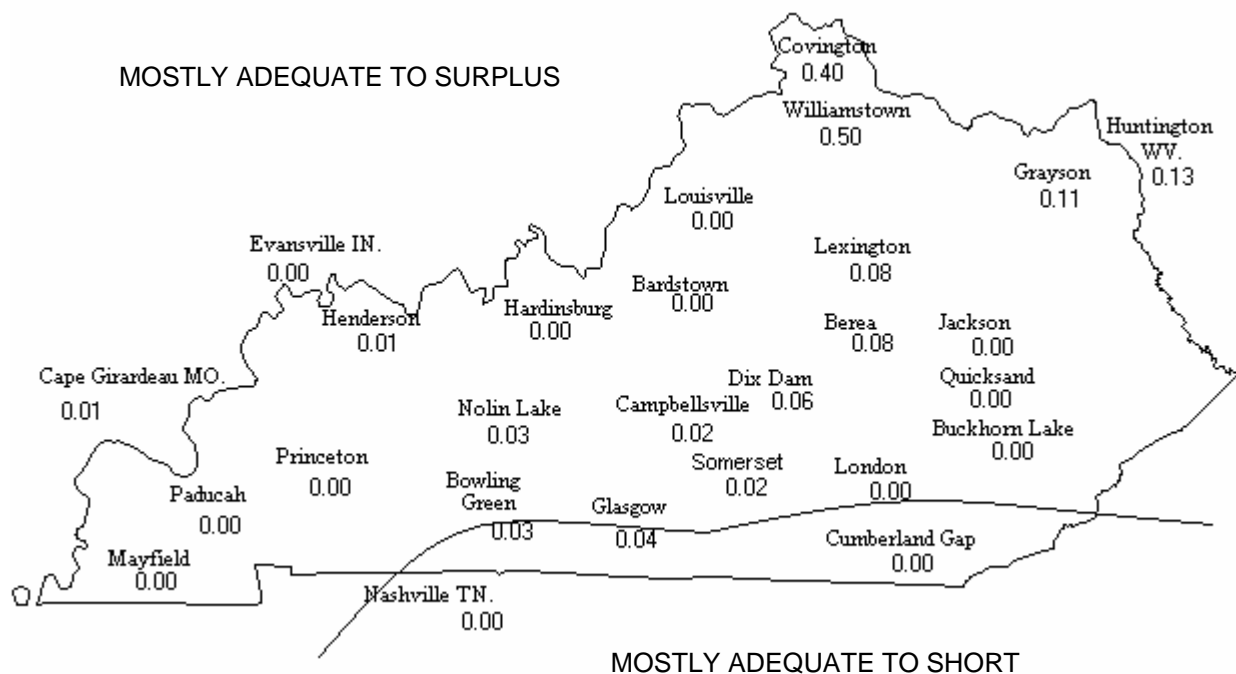
WEEK ENDING APRIL 22, 2007

| | This Week | Previous Week |
|----------------|-----------|---------------|
| Percentage | | |
| TOPSOIL | | |
| Very Short | 1 | 1 |
| Short | 6 | 4 |
| Adequate | 76 | 63 |
| Surplus | 17 | 32 |
| SUBSOIL | | |
| Very Short | 0 | 1 |
| Short | 11 | 11 |
| Adequate | 75 | 70 |
| Surplus | 14 | 18 |

KENTUCKY CROP CONDITIONS (Percent)

| WEEK ENDING APRIL 22, 2007 | | | | | | WEEK ENDING APRIL 15, 2007 | | | | |
|----------------------------|-----------|------|------|------|-------------|----------------------------|------|------|------|-------------|
| CROP | VERY POOR | POOR | FAIR | GOOD | EXCEL- LENT | VERY POOR | POOR | FAIR | GOOD | EXCEL- LENT |
| Corn Emerged | 20 | 19 | 43 | 18 | 0 | - | - | - | - | - |
| Wheat | 55 | 25 | 16 | 4 | 0 | 30 | 34 | 20 | 15 | 1 |
| Pasture | 5 | 16 | 39 | 34 | 6 | 1 | 12 | 42 | 38 | 7 |
| Strawberries | 26 | 40 | 23 | 8 | 3 | - | - | - | - | - |

PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION WEEK ENDING APRIL 22, 2007



KENTUCKY WEATHER SUMMARY, APRIL 16 - 22, 2007:

Below Normal Temperatures and Below Normal Rainfall:

High pressure dominated Bluegrass weather through Tuesday of last week. Cool temperatures were the rule in the east but temperatures moderated for west Kentucky. Low pressure stalled over the State on Wednesday and Thursday and provided very cool temperatures, clouds and limited rainfall. A warming trend started on Friday and lasted into Sunday with temperatures in and near the 80s and sunny, dry conditions.

Temperatures for the period averaged 56 degrees across the State which was 1 degree below normal and 10 degrees warmer than the previous week. High temperatures averaged from 72 in the West to 68 in the East. Departure from normal high temperatures ranged from 1 degree below normal in the West to 2 degrees above normal in the East. Low temperatures averaged from 43 degrees in the West to 42 degrees in the East. Departure from normal low temperature ranged from 4 degrees below normal in the West to 4 degrees below normal in the East.

Precipitation (liq. equ.) for the period totaled 0.06 inches statewide which was 0.92 inches below normal. Precipitation totals by climate division, West 0.00 inches, Central 0.02 inches, Bluegrass 0.20 inches and East 0.03 inches, which was 1.07, 0.99, 0.74 and 0.89 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Bardstown to a high of 0.50 inches at Williamstown.

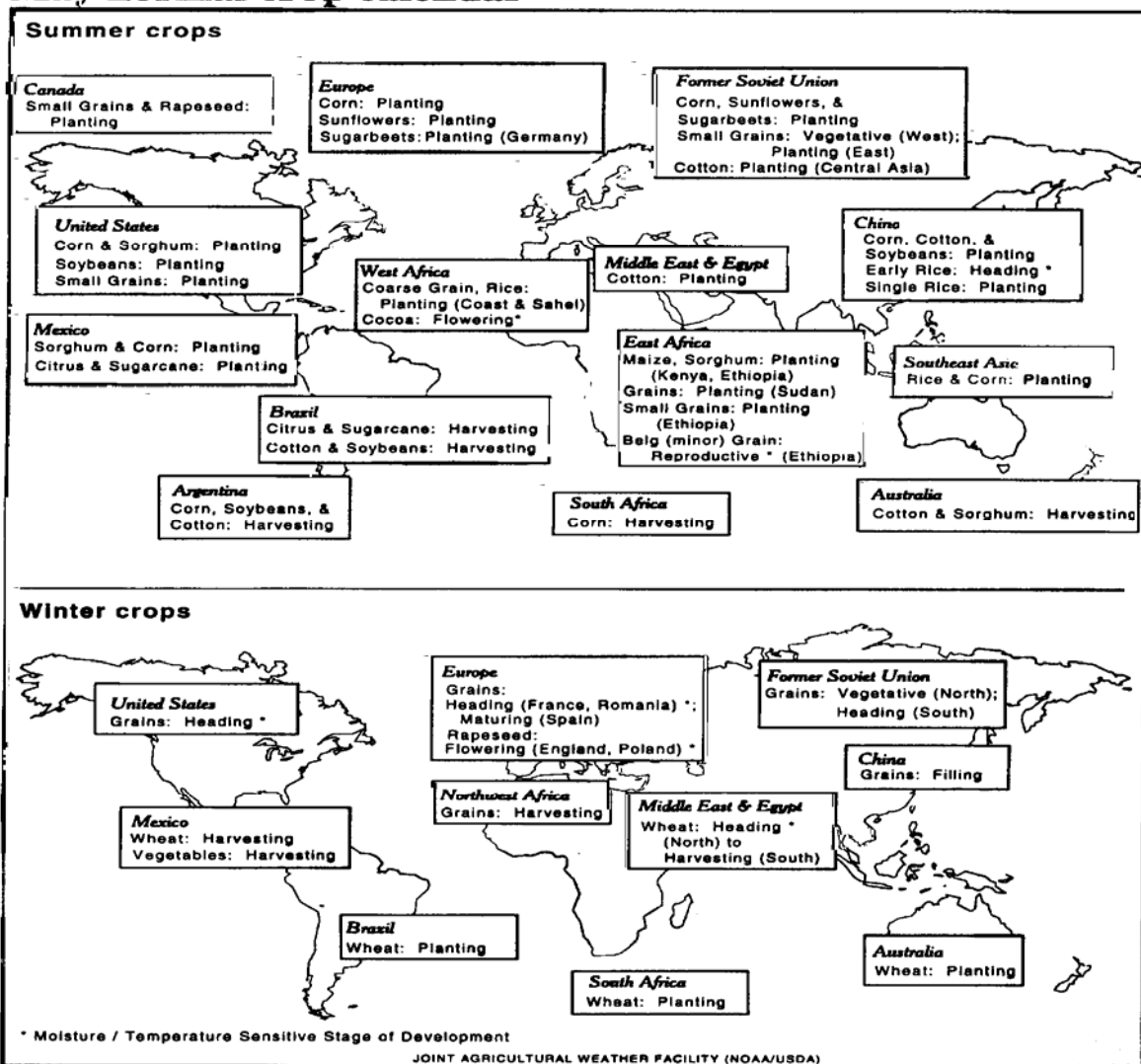
Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, APRIL 22, 7:00 P.M.

| Weather Station | Precipitation | | Deviation From Normal Since Jan. 1 | Temperatures | | | | | Air Temp. |
|-----------------|---------------|-------------|------------------------------------|----------------------|-----------|----------|---------|-----------|-----------------------|
| | Last Week | Since Jan 1 | | Soil 4 In. High | Grass Low | Air High | Air Low | Wkly. Avg | Deviation From Normal |
| | (Inches) | | | (Degrees Fahrenheit) | | | | | |
| Bardstown | 0.00 | 13.15 | -0.17 | 61 | 48 | 78 | 36 | 57.4 | -0 |
| Berea | 0.08 | 11.08 | -2.09 | 60 | 48 | 82 | 33 | 55.1 | -1 |
| Bowling Green | 0.03 | 9.71 | -6.51 | -- | -- | 80 | 36 | 57.1 | -1 |
| Bristol | 0.00 | 7.44 | -5.35 | -- | -- | 80 | 35 | 54.4 | -2 |
| Buckhorn Lake | 0.00 | 8.84 | -5.38 | -- | -- | 81 | 36 | 55.8 | -1 |
| Cape Girardeau | 0.01 | 13.20 | -1.30 | -- | -- | 80 | 34 | 57.5 | -3 |
| Campbellsville | 0.02 | 14.50 | -1.51 | 58 | 48 | 80 | 34 | 57.1 | -1 |
| Covington | 0.40 | 12.74 | +0.47 | -- | -- | 78 | 34 | 54.4 | -2 |
| Cumberland Gap | 0.00 | 10.86 | -5.51 | 60 | 49 | 80 | 36 | 55.7 | -1 |
| Dix Dam | 0.06 | 11.75 | -2.06 | -- | -- | 79 | 34 | 55.2 | -1 |
| Evansville | 0.00 | 14.34 | +0.90 | -- | -- | 79 | 37 | 56.7 | -3 |
| Glasgow | 0.04 | 13.81 | -2.64 | 58 | 48 | 81 | 33 | 58.3 | +0 |
| Grayson | 0.11 | 11.60 | -0.22 | 60 | 49 | 82 | 38 | 54.6 | -2 |
| Hardinsburg | 0.00 | 12.05 | -3.08 | 66 | 55 | 81 | 35 | 59.4 | +2 |
| Henderson | 0.01 | 14.35 | +0.35 | 60 | 49 | 80 | 36 | 57.2 | -3 |
| Huntington | 0.13 | 10.72 | -1.03 | -- | -- | 82 | 37 | 54.4 | -2 |
| Jackson | 0.00 | 8.43 | -5.81 | -- | -- | 81 | 38 | 56.3 | -0 |
| Lexington | 0.08 | 11.24 | -2.08 | -- | -- | 78 | 34 | 54.1 | -2 |
| London | 0.00 | 8.55 | -5.82 | -- | -- | 81 | 33 | 54.9 | -2 |
| Louisville | 0.00 | 13.44 | -0.48 | -- | -- | 81 | 37 | 56.2 | -2 |
| Mayfield | 0.00 | 11.35 | -6.13 | 60 | 49 | 80 | 36 | 56.3 | -4 |
| Nashville | 0.00 | 10.11 | -5.35 | -- | -- | 80 | 38 | 59.2 | +1 |
| Nolin Lake | 0.03 | 11.68 | -3.66 | -- | -- | 80 | 37 | 58.2 | +0 |
| Paducah | 0.00 | 14.76 | -1.00 | 62 | 43 | 80 | 38 | 58.6 | -1 |
| Princeton | 0.00 | 13.03 | -3.66 | 61 | 44 | 80 | 38 | 60.0 | -0 |
| Quicksand | 0.00 | 7.60 | -6.64 | 60 | 49 | 81 | 36 | 56.0 | -0 |
| Somerset | 0.02 | 13.65 | -1.63 | 58 | 45 | 80 | 33 | 55.0 | -1 |
| Spindletop | 0.05 | 9.61 | -3.71 | 55 | 46 | 78 | 39 | 54.9 | -2 |
| Williamstown | 0.50 | 17.23 | +4.18 | 60 | 49 | 78 | 34 | 54.4 | -2 |

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

May normal crop calendar



This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, on the Internet go to <http://www.nass.usda.gov/sub-form.htm> and follow the instructions.